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#### Featured Photographer, Vincent Laforet

To see how Vincent Laforet captured the stunning images featured in this brochure with the EOS 30D, visit the Canon Digital Learning Center. The online experience with Vincent is just one of the many helpful EOS features and resources available on the Digital Learning Center.  
[www.photoworkshop.com/canon](http://www.photoworkshop.com/canon)

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# Canon EOS 30D DIGITAL



Photography by Canon Explorers of Light.

# Canon's Versatile New EOS 30D

Canon is pleased to announce its newest digital SLR, the EOS 30D. The 30D represents the culmination of years of Canon's technological innovation and refinement that has kept Canon on the cutting edge for decades. With Canon's Digital Trinity: a proven, Canon-developed 8.2-megapixel CMOS sensor, a second generation DIGIC II Image Processor and compatibility with Canon's EF and EF-S lenses, the EOS 30D is nothing short of perfection, refined. As a part of the EOS System, the 30D offers a comprehensive solution to your photography needs, ensuring seamless performance from the instant you turn on the 30D to the moment your photographs are printed. This level of integration is only available with the Canon EOS System, and it shows.



Lens: EF 16–35mm f/2.8L USM  
ISO Speed: 100  
Aperture Value: f/10  
Shutter Speed: 1/250  
White Balance: Daylight  
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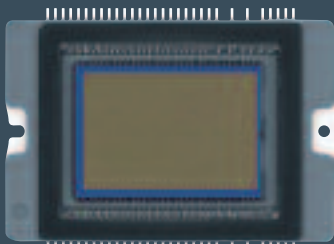
# A Winning Combination



Lens: EF 85mm f/1.2L II USM  
ISO Speed: 640  
Aperture Value: f/1.2  
Shutter Speed: 1/80  
White Balance: Tungsten  
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### 8.2-Megapixel Canon CMOS Sensor

Canon's 8.2-megapixel CMOS sensor captures images with exceptional clarity and tonal range. With an incredibly wide dynamic range, the EOS 30D captures a tremendous breadth of



8.2-Megapixel Canon CMOS Sensor

highlight and shadow detail and has been refined to accommodate the EOS 30D's extended ISO range. The advantage of Canon's CMOS sensor is significant: images are captured with silky-smooth resolution, stunning detail and sharpness. Long exposures and other shooting situations that generally produce digital noise are kept in check through the EOS 30D's enhanced noise reduction algorithms, eliminating graininess and ensuring that every image is clear. This second-generation, single plate APS-C size sensor (22.5 x 15.0mm) has the same 3:2 ratio as film cameras, enabling an effective angle of view that is 1.6x the normal EF lens focal length.

### DIGIC II Image Processor



DIGIC II Image Processor

The driving force behind the EOS 30D's CMOS sensor is Canon's exclusive **DIGIC II Image Processor**, which has been enhanced for across-the-board improvements in processing speed, image quality and color rendition. The DIGIC II processes and converts light information captured by the CMOS sensor into images of exceptional clarity and resolution. Photographers can expect precise, natural colors and spot-on white balance in any number of lighting situations. Through sophisticated signal processing algorithms, the DIGIC II Image Processor in the 30D accelerates all aspects of image capture and consumes less battery power than its predecessor, the EOS 20D.

### Extensive ISO Range

The EOS 30D has an extensive ISO range from 100 to 1600 plus ISO 3200 (H) in extended mode. ISO values are selectable in 1/3-stop increments and are not only displayed on the camera's top display, but also in the viewfinder. The 30D's CMOS sensor features a set of narrow-gap microlenses and noise reduction circuits to improve performance at

high ISO speeds, eliminating blown-out highlights. With optimized photodiode configurations, performance is superb at every ISO value. This results in larger, clearer, sharper and more detailed photographs right from the start. The bottom line is industry-leading image quality at high ISO values and a camera that even the most critical photographers can use with confidence in low-light situations.

### Image Compression Options

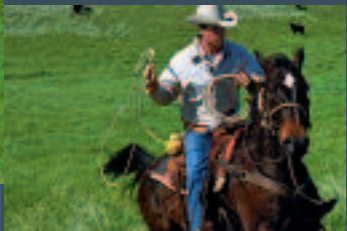
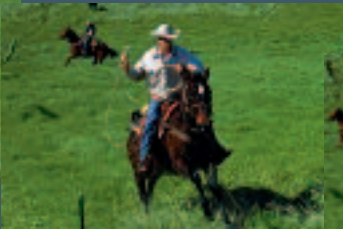
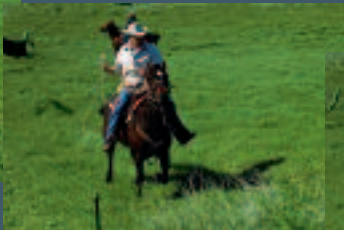
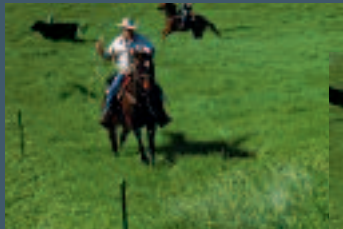
When shooting photos with the EOS 30D, you can select from three image compression options: *RAW*, *JPEG* or *RAW + JPEG* simultaneously. The JPEG compression method is ideal for situations that require reduced file sizes; there are six selectable settings for JPEG image quality. Canon's *RAW* (.CR2) image setting, on the other hand, employs loss-less compression, ensuring the highest image quality. RAW images can potentially capture even greater detail in highlights and shadows and can be processed into either 8 bits or expanded 16 bits per channel finished files. For both JPEG and RAW images, there's a choice of standard sRGB or expanded Adobe RGB color space. With previous Digital EOS camera models, a new folder was created every 100 images, but to simplify image organization, EOS 30D folders hold up to 9,999 images. Since photographers can manually reset file numbers to automatically create a new folder, images from a particular shoot can be stored together.



# Fast Focus, Perfect Exposure



Lens: EF 16–35mm f/2.8L USM  
ISO Speed: 320  
Aperture Value: f/5.6  
Shutter Speed: 1/1000  
White Balance: Daylight  
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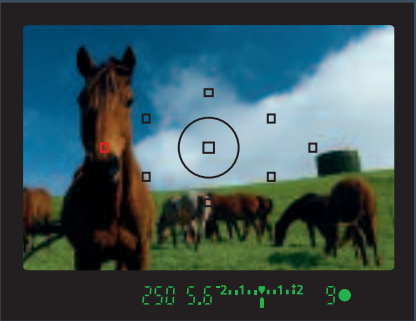
### Continuous Shooting

The EOS 30D has been designed to capture images with a level of speed and precision that had been reserved for the top professional cameras. Whether it's the *0.15-second startup time* (the fastest EOS SLR), the high-speed mirror drive, the predictive AF focusing at speeds selectable from *3 or 5 frames per second* or the nearly imperceptible shutter-release lag time, the EOS 30D will amaze and delight photographers who don't want to wait for their camera. A top shutter speed of *1/8000 sec.* and flash sync at *1/250 sec.* ensure that the camera won't miss the action. The EOS 30D's CMOS sensor allows *4-channel*, high-speed data processing, enabling continuous shooting for up to *30 JPEG frames*, *11 RAW frames* and *9 simultaneous JPEG + RAW frames* in a burst at *5 fps*. Fast buffer clearing times allow for quick storage of images to memory cards, so it is easy to stay in the action.



### 9-Point Wide Field-of-View AF

The EOS 30D has a newly developed, *high-precision 9-point AF system* for fast and accurate focusing in any situation. Conveniently located on the back of the camera for thumb-controlled action, Canon's ergonomic *multi-controller* allows the photographer to instantly choose any of the 9 focusing points or direct the camera to choose them automatically. Focusing points are positioned in the viewfinder in a wide, diamond-shaped array, allowing the user to achieve focus quickly in numerous compositions and situations. The 30D's AF also features a dual-precision cross-type center



AF point. When lenses f/2.8 or faster are used, an extra pair of line sensors are activated for greater precision and accuracy.

With *One-Shot AF*, focus is locked once you press the shutter button halfway, which is optimal for stills, and *AI Servo Predictive AF* tracks moving subjects to ensure perfect focus the instant you take the picture. *AI Focus AF* switches between One-Shot and AI Servo depending on whether a subject is stopped or in motion. For any of the AF modes or manual focus, the EOS 30D's focusing screen with a precision matte finish enables easy, bright, color-neutral viewing.

### Exposure Control

The EOS 30D's *35-zone evaluative metering system* analyzes light based on each zone in the viewing area, enabling the camera to choose the overall best exposure for the entire scene. Unlike its predecessor, the EOS 30D has a *spot meter* that analyzes *3.5%* of the composition. Photographers can use exposure information from a spot meter to determine which adjustments to aperture or shutter speed are necessary for correct exposure



Spot Metering

of the entire subject, which is particularly useful for composing high-contrast shots. *Center-weighted average metering* calculates the entire composition, yet places emphasis on the center of the image. With *partial metering*, 9% of the image is metered. With so many metering options, photographers can always find the option they need to get great exposures.

### Mode Dial

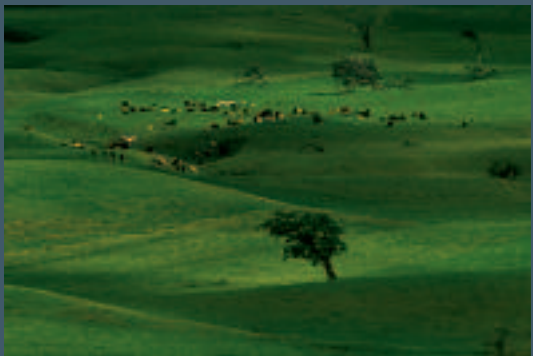
Fully automatic shooting modes optimize camera settings for particular shooting situations. *The Image Zone modes* include *Full Auto* (green zone), *Portrait*, *Landscape*, *Macro*, *Sports*, *Night Portrait* and *Flash Off*. *The Creative Zone modes* include *Program AE (P)* with easy-to-activate Program Shift, *Shutter-priority AE (Tv)* for selecting shutter speed, *Aperture-priority AE (Av)* for setting aperture, *Manual* and *Auto Depth-of-Field*, which puts everything covered by the nine AF points into sharp focus. Whether you're specifying every aspect of your shot, or want a little help from the camera, you're ensured a beautiful image.

# 5fps

# Unprecedented Control Over Color



**Picture Style:** Landscape  
Lens: EF 300mm f/2.8L IS USM  
ISO Speed: 100  
Aperture Value: f/8.0  
Shutter Speed: 1/250  
White Balance: Daylight  
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**Picture Style:** Standard

### Picture Style

One of the most notable new features being incorporated into the EOS line of digital SLRs is Canon's exclusive Picture Style technology. With *Picture Style*, photographers are essentially free to choose a variety of characteristics that simulate different film emulsions and photographic expressions. The six preset Picture Style settings and three user-defined settings also allow for adjusting *sharpness*, *contrast*, *saturation* and *color tone*, creating noticeable variation in the saved image. By selecting different parameters, photographers can ensure that their images will look exactly as they like, right out of the camera, so their images are ready for direct printing or touching up. Of course, when shooting in Picture Style, RAW files can be changed in post processing, ensuring that “mistakes” can be easily corrected after shooting.



**Picture Style**

|               |                  |
|---------------|------------------|
| Picture Style | 0, 1, 2, 3, 4, 5 |
| Portrait      | 2, 0, 0, 0       |
| Landscape     | 4, 0, 0, 0       |
| Neutral       | 0, 0, 0, 0       |
| Faithful      | 0, 0, 0, 0       |
| Monochrome    | 3, 0, 0, 0       |

**Standard:** default setting; vivid, contrasting images; usable in a wide variety of conditions;

optimal for direct printing without further editing  
**Portrait:** soft texture and warmer skin tones  
**Landscape:** sharp images with particularly vivid results for blue skies and green hues  
**Neutral:** matches previous EOS Digital SLRs; low contrast and slight in-camera sharpening  
**Faithful:** accurate reproduction of the subject's colors based on colorimetric data



**Picture Style:** Standard



**Monochrome:** the EOS 30D's black and white mode; similar to silver halide film in black and white; also allows filter and toning effects  
**User-defined (1-3):** application of the user's own sharpness, contrast, saturation and color tone settings (±4 stops in 1-stop increments) to a preset Picture Style setting

The EOS 30D also features advanced camera direct capabilities for further in-camera adjustments to images right before printing (*see page 15*). This Canon exclusive not only saves time in post-processing, it enhances your creativity with its simplicity.

### White Balance Control

The EOS 30D includes a number of white balance modes for further customization: *Auto* (3,000–7,000K), *Daylight* (approx. 5,200K), *Shade* (approx. 7,000K), *Cloudy* (approx. 6,000K), *Tungsten* (approx. 3,200K), *Fluorescent* (approx. 4,000K), *Flash* (approx. 6,000K), plus manual and user-specified color temperature from 2,000K to 10,000K. To fine-tune white balance, the EOS 30D also features white balance compensation and a number of different white balance bracketing options for spot-on color in any number of lighting situations.



**Picture Style:** Monochrome  
Lens: EF 85mm f/1.2L II USM  
ISO Speed: 100  
Aperture Value: f/1.2  
Shutter Speed: 1/640  
White Balance: Daylight  
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Lens: EF 24–70mm f/2.8L USM  
ISO Speed: 100  
Aperture Value: f/16  
Shutter Speed: 1/15  
White Balance: Daylight  
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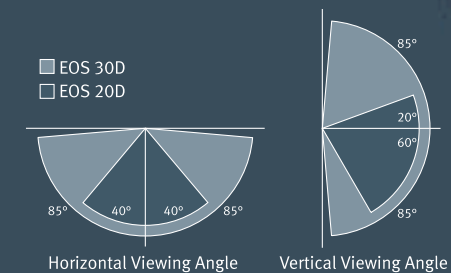
# Durable Body, Intuitive Controls

## Viewfinder

One look in the 30D's bright, sharp viewfinder and it's easy to see that composing images is simple. By checking shooting information on the viewfinder, you can change settings without moving your eye away from the camera for even an instant.

## LCD Monitor

The EOS 30D has a brilliant 2.5-inch LCD monitor with approximately 230,000 pixels. Borrowed from Canon's professional EOS SLRs, this monitor not only displays more information, it can also be viewed from an angle up to 170°, which is larger than many conventional LCD monitors.



## Enhanced Playback Mode

The 30D also features an enhanced *Playback mode* that displays critical shot information, including an *RGB histogram* and even the *AF frame used*. *Magnification* to check exposure and critical focus has never been faster, and it is also easy to quickly jump from image to image in intervals of up to 100. The camera can even be set to automatically play back images. Menus are accessed with the touch of a button and feature larger, easier to read text than previous models. With the EOS 30D's *Rotate* options, vertical images can be automatically rotated to be upright on a computer screen and/or the camera's LCD monitor. Whether changing color parameters, setting up custom functions, organizing folders or setting white balance, the EOS 30D helps you get to your information quickly, so you never lose a shot.



Actual Size

## Durable Body and Shutter

The EOS 30D has a solid, substantial feel that complements its compact dimensions. The camera is constructed of a lightweight and ultra-rigid *magnesium alloy*. It has an improved, high-speed durable shutter unit, designed to shoot up to 100,000 exposures with a top speed of 1/8000 sec. and flash sync up to 1/250 sec.



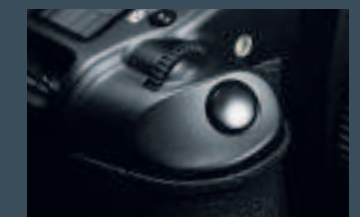
Shutter Unit



Magnesium Alloy

## Intuitive Controls

The intuitive operation of the EOS 30D's controls makes changing settings while composing pictures simple and allows for fast operation. The control dials and the multi-controller button make adjusting your exposure a breeze. With a press of the Print/Share button, images are downloaded to a printer, computer or storage device.



Main Dial and Shutter Button



# PIXMA Pro9500/Pro9000

Photo Printer



**Compatibility with the EOS 30D**  
Both the PIXMA Pro9500 and Pro9000 have settings and software that are perfect matches for the EOS 30D's advanced camera direct capabilities, providing unrivaled control over images with spectacular prints to prove it. These PIXMA photo printers use high-precision print heads, long-lasting ink and a wide color gamut that allow photographers to reproduce fine adjustments onto prints, taking an immense step forward in fine art printing.

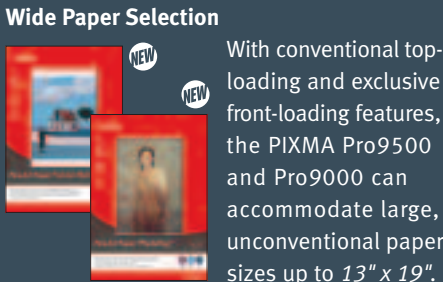
**10-Color Pigment Ink System**  
For photographs with high-contrast, beautifully reproduced colors, photographers need look no further than the PIXMA Pro9500. Its industry-leading *10-color pigment* ink system includes gray, black and matte black cartridges that collectively produce monochrome photographs of unrivaled quality on both fine art paper and glossy photo paper. With pigment ink, photographers can create archival prints with incredibly smooth gradations.



10-Color Pigment Ink

**Canon's ChromaLife100 System**  
The PIXMA Pro9000's *ChromaLife100 system* combines the benefits of *dye-based ink*, high-quality *Canon photo paper* and *FINE print head technology* to produce long-lasting, beautiful prints. With an *8-color dye ink system*, the PIXMA Pro9000 produces an extremely wide color gamut that increases the range of reproducible colors. It is ideal for superb-quality glossy prints up to 13" x 19".

**FINE Print Head Technology**  
Both the PIXMA Pro9500 and Pro9000 feature Canon's FINE technology, producing a maximum resolution of 4800 x 2400 dpi. FINE printers have a high-precision *multi-nozzle print head* designed to release 3-picoliter (Pro9500) or 2-picoliter (Pro9000) ink droplets that produce highly accurate prints. Capable of plotting thousands of ink droplets each second, the high-density placement of ink produces sharper details with less grain.



**Wide Paper Selection**  
With conventional top-loading and exclusive front-loading features, the PIXMA Pro9500 and Pro9000 can accommodate large, unconventional paper sizes up to 13" x 19". Paper up to 1.2mm thick can be fed through the front-loader, opening up a world of options for print media. Both new printers are compatible with Canon's *Photo Rag™* and *Premium Matte fine art paper*, so photographers can produce art-quality prints with a distinctive texture and finish.

**Easy-PhotoPrint Pro Software**  
The PIXMA Pro9500 and Pro9000 can be seamlessly integrated in a computer workflow with Canon's *Easy-PhotoPrint Pro* software. Easy-PhotoPrint Pro augments other post-production software, including *Canon's Digital Photo Professional* and Adobe® Photoshop®. Using customized layout options, photographers can produce contact prints, prints with shooting information and even pattern prints of a single image reproduced with a variety of color balance, brightness and contrast settings. For even more fine-tuning of color and contrast, photographers can choose from three color adjustment features that can be saved with personal settings: *Enable ICC Profile, Photo Color and Linear Tone*. Easy-PhotoPrint Pro also includes grayscale printing adjustments and monochrome printing adjustments for even richer gradation.



Pattern Print

*Profile, Photo Color and Linear Tone*. Easy-PhotoPrint Pro also includes grayscale printing adjustments and monochrome printing adjustments for even richer gradation.

# Large Format Printer imagePROGRAF iPF5000



imagePROGRAF iPF5000

**Turning EOS 30D Images Into Stunning Prints**  
Canon's imagePROGRAF iPF5000 is perfect for photographers who want to print large-scale fine art prints of photographs taken with their EOS 30D. Canon designed the iPF5000 with innovative technologies that work seamlessly with the 30D, so creating professional-quality prints that reflect all camera settings and even the finest image adjustments made on a computer is easier than ever.

**12-Color Pigment Ink System**  
The imagePROGRAF iPF5000 uses a newly developed, *12-color archival pigment ink system*, designed to print long-lasting photos with smooth, vivid color and fine detail. With additional red, green and blue inks, the available color gamut increases exponentially to include a larger range of colors. In addition to capturing incredible tonal detail, Canon's pigment inks also have excellent archival characteristics that ensure greater print longevity. Black and matte black plus two gray inks produce monochrome prints that will surpass all expectations. Also, since both the black and matte black ink cartridges are loaded into the printer at all times, photographers can print on glossy or matte paper without switching cartridges or draining ink, increasing productivity and reducing operating expenses.



12-Color Pigment Ink

**Photo-Lithographic Dual Print Head Technology**  
Canon's *FINE (Full-photo-lithography Inkjet Nozzle Engineering)* print heads ensure that ink is delivered to the paper with speed, generous coverage and accuracy. Unlike conventional printers with a single print head, the imagePROGRAF iPF5000 has *two high-precision multi-nozzle print heads* designed to release microscopic ink droplets, resulting in faster, more precise printing without compromising image quality.



2,560 nozzles x 6 lines x 2 print heads = 30,720 nozzles



Multi-Nozzle Print Head

These high-density print heads with 30,720 nozzles deliver more ink. Both durable print heads are user-replaceable, so the iPF5000 virtually eliminates down time and costly service calls, resulting in increased productivity. Also, when the printer detects a clogged print head, it cleans it automatically, and the iPF5000 can even redirect ink from non-firing nozzles to fully-functioning nozzles, ensuring images in-process get printed correctly and without hassle.

**Software Integration**  
Whether working with Canon's *Digital Photo Professional (DPP)* software or printing from Adobe® Photoshop®, photographers can easily integrate the imagePROGRAF iPF5000 into their workflow. The supplied export module enables photographers to print high bit depth image files directly from Digital Photo Professional and Photoshop® CS/ CS2. With improved color adjustment features for monochrome printing, image configuration settings and more, iPF5000 software makes it significantly more convenient to produce fine art photographs in a studio.

**Wide Range of Media Options**  
The imagePROGRAF iPF5000 is compatible with over 35 kinds of Canon print media from 0.08 to 1.5mm thick, including resin coated and fine art paper. Also, with 4-way media feeding, including a *roll feed*, printing poster-size images with impressive quality is fast and easy.



# Photo Lab-Quality Prints

### Canon's Print Solution

The EOS System offers convenience and quality at every step of the photographic process, from adjusting camera settings before the shot to printing images of the utmost quality. Canon's *PIXMA* photo printers are designed to work perfectly with EOS Digital SLRs to quickly and accurately produce stunning prints.

### Advanced Camera Direct Capabilities

The seamless communication between the EOS 30D and Canon's *PIXMA* photo printers guarantees Canon image quality every time. For those seeking time-saving options, direct printing is a welcome technology. Previous forms of direct printing had limited options for user control over the customization of images. To make direct printing more versatile, yet just as easy to use, Canon improved its direct printing capabilities. Starting with the EOS-1D Mark II N and the EOS 5D, Canon has offered capabilities

that no other camera/printer combination can match such as the ability to print a *single-image* or *20-image print with shooting information* that includes the camera model, lens, shooting mode, shutter and aperture settings, exposure compensation, ISO value and white balance setting – excellent for archiving, comparing or learning. In addition you can generate *35-image contact sheets* and even adjust fill flash through the Face Brightener feature.



35-image Contact Sheet

With the advent of the new EOS 30D and the new line of *PIXMA* Pro Series printers, advanced camera direct capabilities allow the user to experience a whole new level of image control. With new *Print Effects*, Canon's advanced camera direct capabilities enable unprecedented management of color and print quality – right from the camera's LCD monitor.

*Brightness, color saturation, contrast and tone* are easy to adjust, and this is all done on the menu on the EOS 30D's bright new 2.5 inch LCD monitor. Photographers can even *crop* a vertical image to a horizontal, such as a panorama (or vice versa), or by simply zooming in on a detail, they can crop an image with the in-camera trimming tool. With these features, the need for a computer is diminished in many situations, making it possible to produce a great print directly from a camera without touching it up on a computer.

With all this control at your fingertips, it goes without question that you will want equal versatility in the size and type of paper stock you print your images on. The EOS 30D now supports 13" x 19", 10" x 12", 8" x 10" and 4" x 8" paper for direct printing, in addition to letter size and postcard size paper. And with Canon's new, wider paper selection, you are sure to find the right combination that is right for you.



Print Effects/Parameter Screen



EOS 30D with PIXMA Pro9500 Photo Printer



Lens: EF 70-200mm f/2.8L IS USM  
ISO Speed: 100  
Aperture Value: f/7.1  
Shutter Speed: 1/500  
White Balance: Daylight  
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Lens: EF 14mm f/2.8L USM  
ISO Speed: 100  
Aperture Value: f/9.0  
Shutter Speed: 1/400  
White Balance: Daylight  
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# EF Lenses: Phenomenal Optics, A Myriad of Choices

### Canon Lenses

Nothing can complement the EOS 30D better than a Canon lens. Canon's *EF and EF-S lenses* are designed specifically for EOS SLR cameras and offer unmatched performance, bar none. With *over 50 lenses* available, from fisheye to super telephoto, Canon lenses are found on the cameras of professional photographers everywhere. Canon continues to innovate, constantly introducing new lenses with specialized elements, coatings and technology that raise performance standards across the board. Canon lenses promise superior optics, smooth operation and flawless compatibility with the EOS 30D.

### L Series Lenses

No other lenses in modern photography carry the reputation of Canon's renowned *L Series*. Recognizable by the bold red band around the front of the barrel, L Series lenses utilize the best in Canon's cutting-edge technology, like *Ultra-low Dispersion (UD) glass, fluorite and Aspherical elements and Super Spectra Coating*, enhancing performance without compromising ease-of-use.



EF 85mm f/1.2L II USM

### EF-S Lenses

Canon's EF-S lenses were developed specifically for digital cameras with APS-C size sensors like the EOS 30D, and these efforts have resulted in compact, light-weight lens designs and optimized performance without compromise. The new EF-S 17-55mm f/2.8 IS USM is designed for those seeking a high-performance, fast lens with L Series quality optimized for the 30D's sensor.



EF-S 17-55mm f/2.8 IS USM

### Image Stabilizer Technology

When camera shake occurs using normal lenses, the image projected on the focal plane is misaligned, often resulting in blurred photos. With Canon's *Image Stabilizer lenses*, sensors detect vibration and signal the Image Stabilizer lens elements to compensate for the misalignment of the image by shifting up or down, thereby stabilizing the image. This adds the equivalent of up to 3 stops per exposure.



Image Stabilizer ON

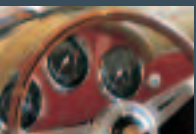


Image Stabilizer OFF

### Zoom Lenses

From ultra-wide angle to super telephoto, Canon's *EF and EF-S zoom lenses* cover the most popular range of focal lengths, so for most shooting, you can keep the same lens on the camera. Whether you're searching for the perfect lens to travel with or a high-speed, constant-aperture *L Series zoom*, Canon offers a zoom lens that's perfect for you.

### Diffraction Optics

Canon's unique *Diffraction Optics (DO)* technology allows telephoto lenses to be significantly smaller and lighter while also reducing chromatic aberration. Special DO lens elements with multiple layers of ultra-precise circular diffraction rings bend light more sharply than conventional optics, reducing the overall lens size. Select lens elements behind the DO elements combine to virtually eliminate color fringing.

### Macro and TS-E Lenses

Canon's EF lens lineup has many options for close-up and macro photography. Canon offers five *macro* and three *screw-on close-up lenses* in addition to *life-size converters and extension tubes*. Canon's *TS-E lenses* are capable of tilt and shift movements, allowing photographers to capture a broad depth-of-field even at larger apertures and to alter perspective at almost any angle.



# EOS Accessories: Enhancing Perfection



Lens: EF 50mm f/1.4 USM  
ISO Speed: 100  
Aperture Value: f/4.0  
Shutter Speed: 1/200  
White Balance: Daylight  
Speedlite 580EX  
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### E-TTL II Flash Metering System

The E-TTL II (Evaluative Through-The-Lens) flash metering system weighs and averages the flash metering information from both ambient light and preflash readings. E-TTL II captures the subject as a “plane” and not as a “point,” so the 30D can obtain consistent flash exposures even if the subject contains radical changes in color or reflectivity.



### EOS Accessories

To enhance the performance and scope of what you can do with the EOS 30D, look no further than Canon accessories. Canon’s Speedlite flashes, Battery Grip BG-E2, Wireless File Transmitter WFT-E1A and more work with the EOS 30D to make stunning photography easy.

#### Speedlite 580EX

With a maximum guide number of 190 ft./58m, this Speedlite has an impressive range. It communicates focusing and white balance information with EOS SLRs for perfect exposure.



#### Speedlite Transmitter ST-E2

This dedicated transmitter can control an unlimited number of slave flashes that are up to 33 ft. (outdoors) or 49.5 ft. (indoors) away.



#### Speedlite 430EX

This Speedlite boasts a maximum guide number of 141 ft./43m and fast recycle time. Its AF-assist beam and color temperature information help produce excellent exposures.



#### Battery Grip BG-E2

This battery grip adds a vertical shutter release and is compatible with up to two of Canon’s Lithium-ion battery packs or a set of six AA-size batteries.



#### Macro Twin Lite MT-24EX

Great for capturing accurate color and minimizing shadows, this flash unit is a must for macro photography. The flash heads are incredibly flexible, so numerous configurations are possible.



#### Compact Battery Pack CP-E3

Attach this battery pack to select Speedlite flashes for faster flash recycling. It accepts AA-size batteries and is ideal for extended shooting.



#### Wireless File Transmitter WFT-E1A

This Wireless File Transmitter allows image transfer via a wired Ethernet or wireless Local Area Network (LAN). It’s great for sharing images immediately after shooting.



#### Macro Ring Lite MR-14EX

Designed for close-up photography with EF Macro lenses, this flash unit produces even illumination and captures the smallest details.



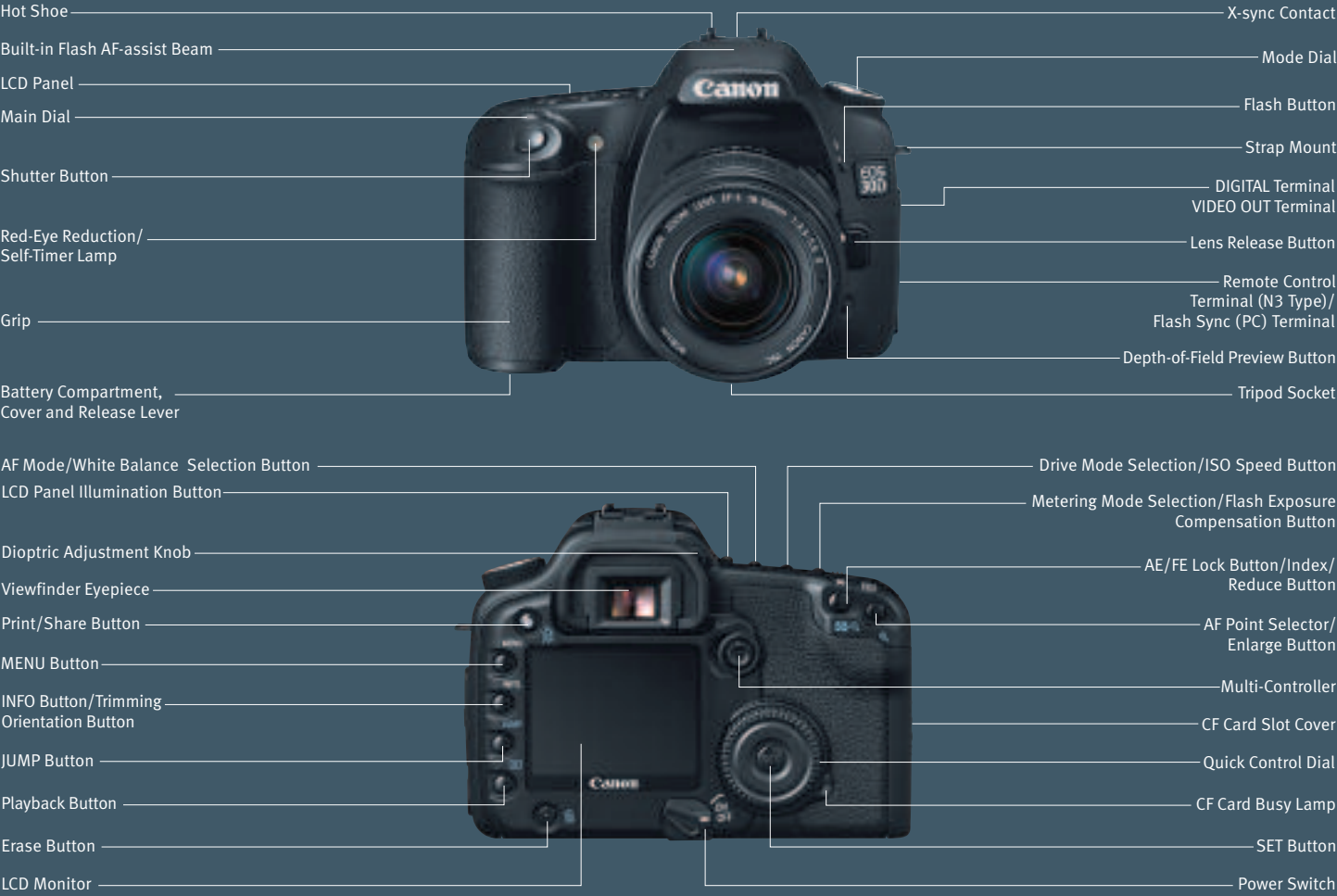
Extended Range Antenna ERA-E1

#### Data Verification Kit DVK-E2

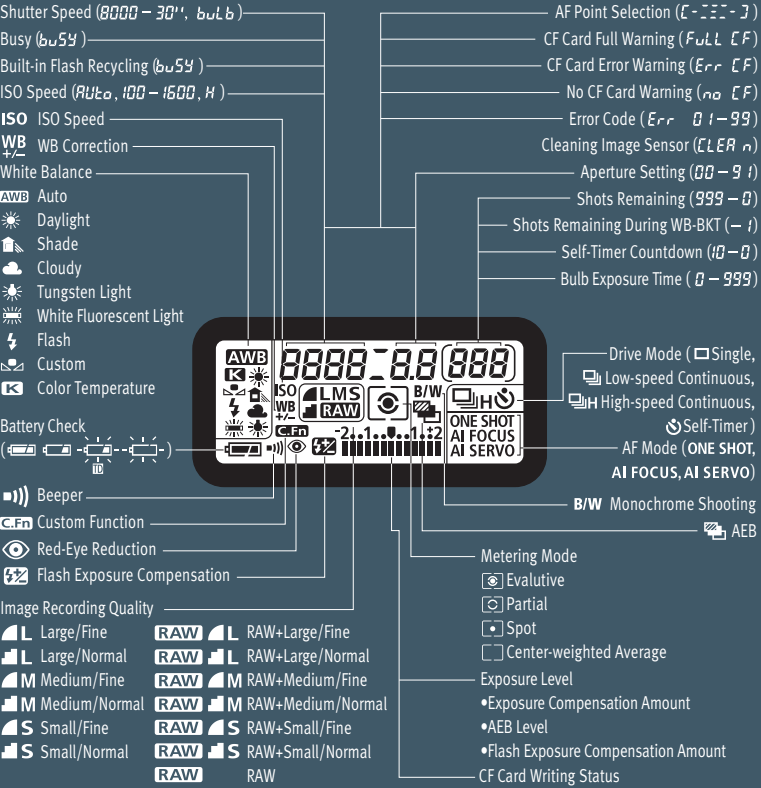
Useful for ensuring that an image has not been altered, the Data Verification Kit is a perfect accessory for insurance, press and police work.



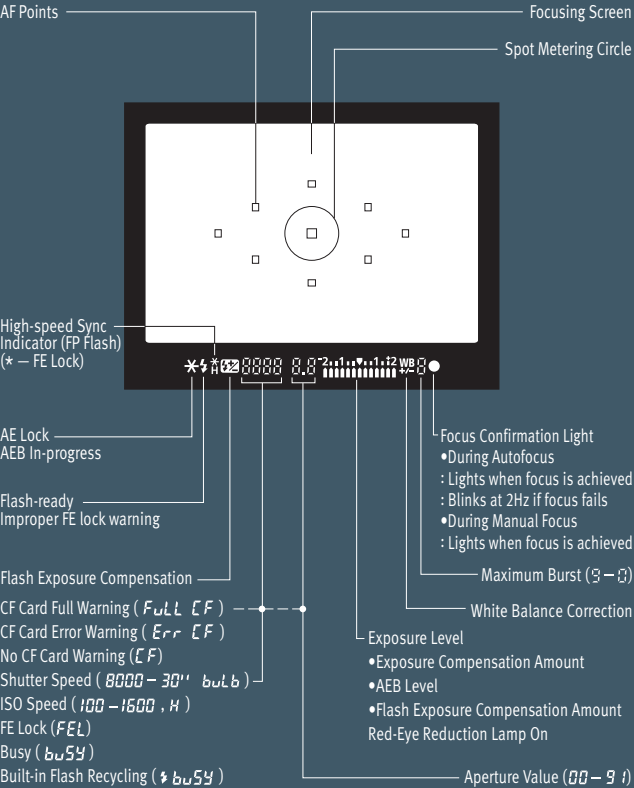
NOMENCLATURE



LCD PANEL INFORMATION



VIEWFINDER INFORMATION



COMPATIBLE OPERATING SYSTEMS AND COMPUTER ENVIRONMENTS

System requirements for Windows

| Camera Software Image | EOS Utility                                                                                                      | Digital Photo Professional | ZoomBrowser EX (Windows), ImageBrowser (Macintosh), Camera Window MC, RAW Task, PhotoStitch |
|-----------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|
| OS                    | Windows XP (Home Edition/Professional), Windows 2000                                                             |                            | Windows XP (Home Edition/Professional), Windows 2000, Windows 98SE                          |
| Computer              | Computer with the above OS preinstalled and a USB port as a standard feature or an OHCI-compliant IEEE1394 port* |                            | Computer with the above OS preinstalled*                                                    |
| CPU                   | 750MHz Pentium III or higher                                                                                     |                            | 500MHz Pentium or higher                                                                    |
| RAM                   | Minimum 256MB                                                                                                    | Minimum 512MB              | Minimum 256MB                                                                               |
| Interface             | USB 1.1 to 2.0 Hi-Speed or IEEE1394                                                                              |                            |                                                                                             |
| Display               | Screen resolution: 1024 x 768 pixels or more, Color quality: Medium (16 bit) or more                             |                            |                                                                                             |

System requirements for Macintosh

| OS        | Mac OS X 10.2 to 10.4                                                                                    |               |                                         |
|-----------|----------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------|
| Computer  | Computer with the above OS preinstalled and a USB port or FireWire (IEEE1394) port as a standard feature |               | Computer with the above OS preinstalled |
| CPU       | 400MHz Power PC G3 or higher                                                                             |               | Power PC G3, G4, G5                     |
| RAM       | Minimum 256MB                                                                                            | Minimum 512MB | Minimum 256MB                           |
| Interface | USB 1.1 to 2.0 Hi-Speed or Firewire (IEEE1394)                                                           |               |                                         |
| Display   | Screen resolution: 1024 x 768 pixels or more, Colors: Thousands or more                                  |               |                                         |

These software programs are not compatible with UFS (UNIX File System) formatted disks.  
\* Upgraded machines not supported

SPECIFICATIONS

TYPE

Type: Digital AF/AE SLR  
Recording Medium: CompactFlash (CF) Card Types I & II  
Image Sensor Size: 0.89 x 0.59 in./22.5 x 15.0mm (APS-C size sensor)  
Compatible Lenses: Canon EF lenses, including EF-S lenses. Focal length conversion factor: Equivalent to approx. 1.6x indicated focal length compared to 35mm format)  
Lens Mount: Canon EF mount

IMAGING ELEMENT

Type: High-sensitivity, high-resolution, single-plate CMOS sensor  
Effective Pixels: Approx. 8.2 megapixels  
Total pixels: Approx. 8.5 megapixels  
Aspect Ratio: 2:3 (Vertical:Horizontal)  
Color Filter System: RGB primary color filters  
Low-pass Filter: Fixed position in front of the CMOS sensor

RECORDING SYSTEM

File Format: Design rule for Camera File System 2.0, Exif 2.21 compliant  
Recording Formats: JPEG, RAW and RAW+JPEG simultaneous recording provided; RAW and JPEG images are saved as separate files in the CF card File Size\* (on CF Card): JPEG: (1) Large/Fine: Approx. 3.6MB (3504 x 2336), (2) Large/Normal: Approx. 1.8MB (3504 x 2336), (3) Medium/Fine: Approx. 2.2MB (2544 x 1696), (4) Medium/Normal: Approx. 1.1MB (2544 x 1696), (5) Small/Fine: Approx. 1.2MB (1728 x 1152), (6) Small/Normal: Approx. 0.6MB (1728 x 1152); (7) RAW: Approx. 8.7MB (3504 x 2336) (Exact file sizes depend on the subject and ISO speed)  
Folder Setting: Automatic folder creation/selection  
File Numbering: (1) Continuous numbering, (2) Auto reset, (3) Manual reset (new folder created by user)  
Color Space: Selectable between sRGB and Adobe RGB  
Picture Style: Six preset Picture Style settings plus three user-defined custom Picture Style settings with individual adjustments for Sharpness, Contrast, Color saturation, 2nd Color tone, Filter effect, Toning effect for black and white images.  
Interface: USB 2.0 Hi-Speed, NTSC/PAL for video output

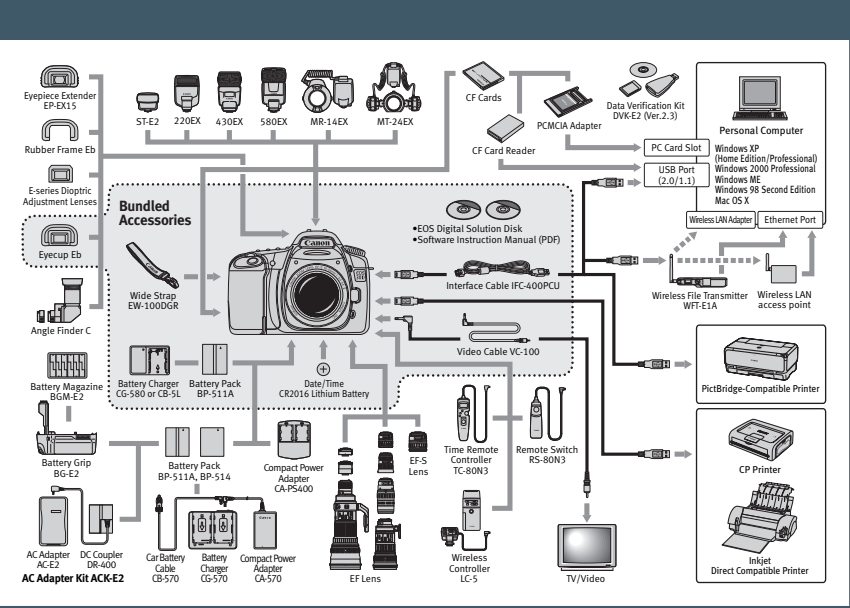
WHITE BALANCE

Settings: Auto, Preset (Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash), Color Temperature (2,800–10,000K), Custom (read off white or neutral gray object)  
Auto White Balance: Auto white balance with the image sensor  
Color Temperature Compensation: White balance bracketing: +/- 3 levels in 1-level increments White balance correction: blue/amber bias +/- 9 levels, magenta/green bias +/- 9 levels When blue/amber bias and magenta/green bias set together with White balance correction, white balance bracketing cannot be set to more than +/- 9 levels

VIEWFINDER

Type: Eye-level SLR (with fixed pentaprism)  
Coverage: Approx. 95% vertically and horizontally (Coverage against JPEG Large)  
Magnification: 0.9x (<1 diopter with 50mm lens at infinity)  
Eyepoint: Approx. 20mm  
Built-in Dioptric Correction: -3.0 to +1.0 diopter  
Focusing Screen: Fixed, Precision Matte screen  
Mirror: Quick-return half mirror (Transmission: reflection ratio of 40:60. No mirror cut-off with lenses up to EF 600mm f/4L USM)  
Viewfinder Information: AF (AF points, focus confirmation light), Exposure (shutter speed, aperture, spot metering circle, exposure level, AE lock, exposure compensation, AEB level, ISO speed), Flash (flash ready, built-in flash recycling, red-eye reduction lamp on, high-speed sync, FE lock, flash exposure compensation, insufficient flash warning during FE lock), White balance correction, Maximum burst, busy, CF card full warning, CF card error warning, No CF card warning  
Depth-of-Field: Enabled with Depth-of-Field Preview button  
Eyepiece Shutter: None

SYSTEM CHART



AUTOFOCUS

Type: TTL-CT-SIR AF-dedicated CMOS sensor  
AF Points: 9  
AF Working Range: EV -0.5–18 (ISO 100 at 68°F/20°C)  
Focusing Modes: One-Shot AF, Predictive AI Servo AF, AI Focus AF (Automatically selects One-Shot AF or AI Servo AF), Manual Focusing (MF)  
AF Point Selection: Automatic selection, manual selection  
Selected AF Point Display: Superimposed on viewfinder and LCD panel  
AF-assist Beam: Intermittent firing of built-in flash

EXPOSURE CONTROL

Metering Modes: Max. aperture TTL metering with 35-zone SPC  
(1) Evaluative metering (linked to all AF points),  
(2) Partial metering (approx. 9% of viewfinder), (3) Spot metering (approx. 3.5% of viewfinder), (4) Center-weighted average metering  
Metering Range: EV 1–20 (ISO 100 at 68°F/20°C with EF 50mm f/1.4 USM lens)  
Exposure Control Systems: Program AE (shiftable), Shutter-priority AE, Aperture-priority AE, Depth-of-field AE (non-shiftable), Full auto (non-shiftable), Programmed image control modes, Manual exposure, E-TTL II autoflash Program AE  
ISO Speed Range: Equivalent to ISO 100-1600 (in 1/3-stop increments, ISO speed can be expanded to ISO 100–3200)  
Exposure Compensation: Up to +/-2 stops in 1/3- or 1/2-stop increments  
(1) User-set with multi-controller (2) AEB (Auto Exposure Bracketing)  
AE Lock: Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved / User-set: Applied with AE lock button

SHUTTER

Type: Vertical-travel focal-plane shutter with all speeds electronically-controlled  
Shutter Speeds: 1/8000 to 30 sec. (1/3- and 1/2-stop increments), X-sync at 1/250 sec.  
Shutter Release: Soft-touch electromagnetic release  
Self-Timer: 10-sec. delay, 2-sec. delay with C.Fn-12-1 (mirror lockup)  
Remote Control: Remote control with N3-type terminal

FLASH

Built-in Flash: Auto pop-up, retractable, built-in flash in the pentaprism (user must activate flash in P, Av, Tv and M modes)  
Flash coverage: Up to 17mm focal length (equivalent to 27mm in 35mm format)  
EOS-dedicated Speedlite: E-TTL II autoflash with EX Series Speedlites

DRIVE SYSTEM

Drive Modes: Single, Continuous, Self-timer  
Continuous Shooting Speed: High-speed approx. 5 fps / low-speed approx. 3 fps (at a shutter speed of 1/250 sec. or faster)  
Max. Burst During Continuous Shooting: JPEG: high-speed approx. 30 frames (Large/Fine), RAW: high-/low-speed approx. 11 frames, RAW+JPEG: high-/low-speed approx. 9 frames

LCD MONITOR

Type: TFT color, liquid-crystal monitor  
Monitor Size: 2.5 in. diagonal with a viewing angle of approx. 170° vertically and horizontally  
Pixels: Approx. 230,000 pixels  
Coverage: Approx. 100%  
Brightness Adjustment: 5 levels (settable with menu's "LCD brightness")

IMAGE PLAYBACK

Image Display Format: (1) Single image, (2) 9-image index, (3) Magnified zoom (single image) up to 10x, (4) Auto play (5) Auto play right after shooting  
Highlight Alert: In the single image (INFO) display mode, the areas with highlights containing no image information will blink

IMAGE PROTECTION AND ERASE

Protection: A single image can be protected or unprotected  
Erase: A single image or all images stored in a CF card can be erased if they are unprotected  
Format: Complete initialization of CF card available in setup menu

MENUS

Menu Categories: (1) Shooting Menu: red, (2) Playback Menu: blue, (3) Setup Menu: yellow  
LCD Monitor Language: English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Russian, Simplified/Traditional Chinese, Korean, Japanese  
Firmware Update: Enabled by the user (in Creative Zone only)

POWER SOURCE

Battery: One Battery Pack BP-511A/511/512/514 (lithium-ion rechargeable battery)  
Number of Shots:

| Configuration             | No Flash Used                          | 50% with Flash |
|---------------------------|----------------------------------------|----------------|
| BP-511A x 1               | Normal temp (68°F/20°C)<br>1100 frames | 750 frames     |
|                           | Low temp (32°F/0°C)<br>900 frames      | 600 frames     |
| w/BG-E2                   | Normal temp (68°F/20°C)<br>2200 frames | 1400 frames    |
| (BP-511A x 2)             | Low temp (32°F/0°C)<br>1800 frames     | 1200 frames    |
| w/BG-E2 (six AA Alkaline) | Normal temp (68°F/20°C)<br>400 frames  | 300 frames     |
|                           | Low temp (32°F/0°C)<br>200 frames      | 100 frames     |

DIMENSIONS AND WEIGHT

Dimensions (W x H x D): 5.7 x 4.2 x 2.9 in. / 144 x 105.5 x 73.5mm  
Weight: 24.7 oz. / 700g (Body only)

OPERATING CONDITIONS

Operating Temperature Range: 32–104°F/0–40°C  
Operating Humidity: 85% or less

- All the specifications above are based on Canon's testing and measuring standards.
- The camera's specifications and physical appearance are subject to change without notice.
- TFT monitor and viewfinder images shown in this sales guide are simulated.

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